

ABSTRACT

Aspects of providing automatic adaptation to frequency offsets in high speed serial links are described. First signals for phase adjusts in a receiver link are adjusted by detecting trends in the first signals to generate second signals, the second signals improving a rate of compensation for the frequency offsets by the phase adjusts. An up/down counter is included for counting signals for phase adjustments by a clock-data-recovery loop of a serial receiver. An adder is coupled to the up/down counter and outputs accumulated data indicative of a trend in the phase adjustments. Combinatorial logic coupled to the adder adapts the signals based on the accumulated data.